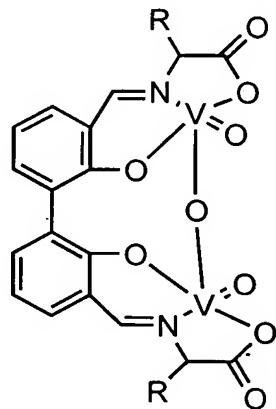


ABSTRACT

The compound of this invention is a useful catalyst for the oxidative coupling of naphthol. Its originality lies in that it is a novel vanadium complex of Schiff's base formed by a chiral amino acid and a formyl biphenol or its derivative. Its axis chirality is induced to form by the chiral 5 amino acid. It has the general formula:



where R represents a benzyl, an isopropyl, an isobutyl or a tertiary butyl and the configuration of the amino acid is *R* or *S*. The compound can catalyze oxidative coupling of naphthol or its derivative to form binaphthol or its derivatives with a high optical purity.